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NOTICE OF ALLOWANCE AND FEE(S) DUE

26568

7590

09/11/2008

COOK ALEX LTD SUITE 2850 200 WEST ADAMS STREET CHICAGO, IL 60606

EXAMINER				
HO, HA DINH				
ART UNIT	PAPER NUMBER			
3681				

DATE MAILED: 09/11/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/568.322	06/02/2006	Angelo Ripamonti	0527-0243	4619

TITLE OF INVENTION: HYDROMECHANICAL TRANSMISSION FOR AGRICULTURAL TRACTORS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	12/11/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

maintenance fee notifica	tions.						orrespondence address as ate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Fee pap	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mushave its own certificate of mailing or transmission.			
26568	7590 09/11	/2008			rtificate of Mailing or		ission
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CHICAGO, IL 6	60606						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	2	ATTORNEY DOCKET	Γ NO.	CONFIRMATION NO.
10/568,322	06/02/2006	•	Angelo Ripamonti		0527-0243		4619
TITLE OF INVENTION	I: HYDROMECHANICA	AL TRANSMISSION FO	R AGRICULTURAL TR	ACTORS			
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE TOTAL FEE	(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$174	0	12/11/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
HO, HA	A DINH	3681	475-083000				
1. Change of correspond	ence address or indicatio	n of "Fee Address" (37	2. For printing on the p				
CFR 1.363).	ondence address (or Cha	inge of Correspondence	(1) the names of up to or agents OR, alternati	o 3 registered pater velv.	nt attorneys 1		
	oondence address (or Cha B/122) attached.		(2) the name of a sing	le firm (having as	a member a 2		
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.		registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or ty	pe)			
PLEASE NOTE: Un	less an assignee is ident	ified below, no assignee	data will appear on the p	oatent. If an assign	nee is identified below	v, the doo	cument has been filed for
	•	pletion of this form is NO	T a substitute for filing an (B) RESIDENCE: (CITY	· ·	COLINTDV)		
(A) NAME OF ASSI	GNEE		(B) RESIDENCE: (CIT	i aliu SIAIE OK	COUNTRI)		
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🗖 C	orporation or other pri	vate grou	p entity Government
4a. The following fee(s)	are submitted:	41	b. Payment of Fee(s): (Plea	ase first reapply a	ny previously paid is:	sue fee sl	nown above)
Issue Fee			A check is enclosed.				
	No small entity discount p		Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any				
Advance Order -	# of Copies		overpayment, to Depo	osit Account Numb	er (er		extra copy of this form).
5. Change in Entity Sta	`	· · · · · · · · · · · · · · · · · · ·					
	as SMALL ENTITY state		b. Applicant is no lon				
interest as shown by the	records of the United Sta	uired) will not be accepte ites Patent and Trademark	d from anyone other than to Office.	the applicant; a reg	istered attorney or age	nt; or the	assignee or other party in
Authorized Signature				Date			
Typed or printed nam	e			Registration I	No		
This collection of inform	nation is required by 37 C	CFR 1.311. The information	on is required to obtain or	retain a benefit by	the public which is to	file (and	by the USPTO to process)
an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this bu. Virginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th NOT SEND FEES OR	1.14. This collection is es depending upon the individence Chief Information Offic COMPLETED FORMS T	timated to take 12 vidual case. Any co er, U.S. Patent and O THIS ADDRES:	minutes to complete, comments on the amou Trademark Office, U.S. SEND TO: Commission	including nt of time .S. Depar ssioner fo	gathering, preparing, and e you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450,

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/568,322	06/02/2006	Angelo Ripamonti	0527-0243	4619
26568 75	90 09/11/2008		EXAM	INER
COOK ALEX LT	TD		HO, HA	DINH
SUITE 2850			ART UNIT	PAPER NUMBER
200 WEST ADAM CHICAGO, IL 606			3681 DATE MAILED: 09/11/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 406 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 406 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/568,322	RIPAMONTI ET AL.	
Notice of Allowability	Examiner	Art Unit	
	HA D. HO	3681	
The MAILING DATE of this communication appower. All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to Application filed 06/0	(OR REMAINS) CLOSED in () or other appropriate commure (IGHTS). This application is suggested and MPEP 1308.	his application. If not included ication will be mailed in due course.	
2. ☑ The allowed claim(s) is/are <u>1-11</u> .			
3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner' Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deposit of the proper in the deposit of the priority documents are comment regarding REQUIREMENT.	e been received. e been received in Application ocuments have been received of this communication to file and MENT of this application. Initted. Note the attached EXAL les reason(s) why the oath or on the state of the submitted. Son's Patent Drawing Review of the header according to 37 CFR posit of BIOLOGICAL MATE.	No in this national stage application from the reply complying with the requirement of the complying with the requirement. MINER'S AMENDMENT or NOTICE declaration is deficient. (PTO-948) attached the Office action of the drawings in the front (not the back) of 1.121(d). RIAL must be submitted. Note the	nts OF
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 02/06/06 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sur Paper No./N 7. ☑ Examiner's A	rmal Patent Application nmary (PTO-413), lail Date mendment/Comment tatement of Reasons for Allowance	

Art Unit: 3681

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions

be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure

consideration of such an amendment, it MUST be submitted no later than the payment of the issue

fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr.

Murphy on 09/08/08.

3. The application has been amended as follows:

Abstract

The abstract has been replaced by the following new abstract:

-- The transmission comprises: an input shaft coupled to a prime mover of the tractor; an

output shaft; a hydrostatic unit including a pump driven by the prime mover shaft and a

motor driven by the pump; an epicyclic torque splitter unit, including a first and a second

input shaft and a first and a second output shaft, the rotational speeds of the first and second

output shafts varying, respectively, in a first and a second range adjacent to each other as the

rotational speed of the first input shaft varies between a maximum value and a minimum

value; a clutch unit, arranged to couple the output shaft of the transmission selectively to the

first or second output shaft of the torque splitter unit to provide a pair of forward operating

ranges, at high and low speed respectively; and a reversing unit, arranged to provide a

reverse operating range. --

Specification

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• On page 1, --FIELD OF THE INVENTION-- have been inserted between the title and the first paragraph.

- On page 1, --BACKGROUND OF THE INVENTION-- have been inserted between the first and the second paragraphs.
- On page 1, the fourth paragraph has been deleted and --SUMMARY OF THE INVENTION-- have been inserted thereto.
- On page 2, --BRIEF DESCRIPTION OF THE DRAWINGS-- have been inserted between lines 19 and 20.
- On page 3, --DETAILED DESCRIPTION OF THE INVENTION-- have been inserted between lines 10 and 11.

Claims

- Claim 1, line 6, "the" (first occurrence) has been changed to --a--.
- Claim 1, line 12, "the" has been deleted.
- Claim 1, line 14, "the epicyclic type" have been changed to --an epicyclic gearing--.
- Claim 1, line 16, "the" has been deleted.
- Claim 1, line 20, "the" (second occurrence) has been deleted.
- Claim 1, line 29, "the" has been deleted.
- Claim 1, line 37, "the" (second occurrence) has been deleted.
- Claim 1, line 39, "the" (second occurrence) has been deleted.
- Claim 4, lines 1-2, "any one of the preceding claims" have been changed to --claim 1--.
- Claim 4, line 8, --second input-- have been inserted after "the" (second occurrence).

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• Claim 4, last line, "gearings" has been changed to --first and third gear wheels--.

• Claim 4, last line, --the second and fourth gear wheels-- have been inserted after "and".

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- Claim 5, lines 1-2, "any one of the preceding claims" have been changed to --claim 1--.
- Claim 5, line 15, "each" has been changed to --the--.
- Claim 5, line 16, "each" has been changed to --the--.
- Claim 5, line 18, "each" has been changed to --the--.
- Claim 6, lines 1-2, "any one of Claims 1 to 4" have been changed to --claim 1--.
- Claim 6, line 16, "each" has been changed to --the--.
- Claim 6, line 17, "each" has been changed to --the--.
- Claim 7, lines 1-2, "any one of the preceding claims" have been changed to --claim 1--.
- Claim 7, line 4, "first" has been changed to --third--.
- Claim 7, line 4, "second" has been changed to --fourth--.
- Claim 7, line 5, "the" has been deleted.
- Claim 7, line 6, "first" has been changed to --third--.
- Claim 7, line 7, "the" has been deleted.
- Claim 7, line 8, "second" has been changed to --fourth--.
- Claim 7, line 14, "each" has been changed to --the--.
- Claim 7, line 15, "each" has been changed to --the--.
- Claim 7, line 18, "the" has been deleted.
- Claim 7, line 18, --third and fourth-- have been inserted after "said".
- Claim 7, line 19, "S6" has been changed to --S8--.
- Claim 8, lines 1-2, "any one of the preceding claims" have been changed to --claim 1--.

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• Claim 8, line 4, "the first and second" have been changed to --a third and fourth--.

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- Claim 8, line 5, "the" (second occurrence) has been deleted.
- Claim 8, line 9, "second" has been changed to --fourth--.
- Claim 8, line 10, "the" has been deleted.
- Claim 9, lines 1-2, "any one of the preceding claims" have been changed to --claim 1--.
- Claim 9, line 5, "the" has been deleted.
- Claim 9, line 6, "the" (first occurrence) has been changed to --a--.
- Claim 9, line 8, "aforesaid" has been deleted.
- Claim 10, lines 3-4, "output shaft (S3) of the hydrostatic unit (HU), in other words that of the" have been deleted.
- Claim 10, line 9, "the" (second occurrence) has been deleted.
- Claim 11, lines 1-2, "any one of the preceding claims" have been changed to --claim 1--.
- Claim 11, line 4, "the" (second occurrence) has been changed to --a--.
- Claim 11, line 5, "the" (first occurrence) has been changed to --a--.
- 4. The following is an examiner's statement of reasons for allowance: The prior art of record does not disclose or render obvious a motivation to provide for a continuously variable hydromechanical transmission for agricultural tractors as defined by the limitations of claim 1; including an input shaft; an output shaft; a hydrostatic unit including a pump driven by the prime mover shaft and a motor driven by the pump and positioning in parallel with the input shaft; an epicyclic torque splitter unit including a first and a second input shaft and a first and a second output shaft and positioning in line with the hydrostatic unit; a clutch unit positioning in line with

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the hydrostatic unit and arranged to couple the output shaft of the transmission selectively to a first or second output shaft of the torque splitter unit to provide a pair of forward operating ranges, at high and low speed respectively; and a reversing unit positioning in line with the hydrostatic unit and interposed between the clutch unit and the output shaft of the transmission.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Cited Prior Art

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: see attached form PTO-892 of which each reference shows a continuously variable hydromechanical transmission having a hydrostatic unit including a pump and a motor, and at least one planetary gear set.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ha D. Ho whose telephone number is 571-272-7091. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on 571-272-7095.

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8. Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR system,

see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system,

contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/HDH/ (571) 272-7091 September 11, 2008

/Ha D. Ho/

Primary Examiner, A.U. 3681